

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/872,185B

DATE: 01/02/2002

TIME: 09:25:00

Input Set : A:\64080.txt

Output Set : N:\CRF3\01022002\I872185B.raw

ENTERED

RECEIVED

FEB 07 2002

TECH CENTER 1600/2900

3 <110> APPLICANT: Stern, David M.  
 4 Herold, Kevan  
 5 Yan, Shi Du  
 6 Schmidt, Ann Marie  
 7 Lamster, Ira  
 9 <120> TITLE OF INVENTION: METHODS FOR TREATING INFLAMMATION  
 11 <130> FILE REFERENCE: 0575/64080  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/872,185B  
 14 <141> CURRENT FILING DATE: 2001-06-01  
 16 <160> NUMBER OF SEQ ID NOS: 16  
 18 <170> SOFTWARE: PatentIn version 3.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 112  
 22 <212> TYPE: PRT  
 23 <213> ORGANISM: Human  
 25 <400> SEQUENCE: 1  
 27 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys  
 28 1 5 10 15  
 31 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys Leu Asn  
 32 20 25 30  
 35 Thr Gly Arg Thr Glu Ala Trp Lys Val Leu Ser Pro Gln Gly Gly Gly  
 36 35 40 45  
 39 Pro Trp Asp Ser Val Ala Arg Val Leu Pro Asn Gly Ser Leu Phe Leu  
 40 50 55 60  
 43 Pro Ala Val Gly Ile Gln Asp Glu Gly Ile Phe Arg Cys Gln Ala Met  
 44 65 70 75 80  
 47 Asn Arg Asn Gly Lys Glu Thr Lys Ser Asn Tyr Arg Val Arg Val Tyr  
 48 85 90 95  
 51 Gln Ile Pro Gly Lys Pro Glu Ile Val Asp Ser Ala Ser Glu Leu Thr  
 52 100 105 110  
 55 <210> SEQ ID NO: 2  
 56 <211> LENGTH: 332  
 57 <212> TYPE: PRT  
 58 <213> ORGANISM: Human  
 60 <400> SEQUENCE: 2  
 62 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys  
 63 1 5 10 15  
 66 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys Leu Asn  
 67 20 25 30  
 70 Thr Gly Arg Thr Glu Ala Trp Lys Val Leu Ser Pro Gln Gly Gly Gly  
 71 35 40 45  
 74 Pro Trp Asp Ser Val Ala Arg Val Leu Pro Asn Gly Ser Leu Phe Leu  
 75 50 55 60  
 78 Pro Ala Val Gly Ile Gln Asp Glu Gly Ile Phe Arg Cys Gln Ala Met  
 79 65 70 75 80  
 81 Asn Arg Asn Gly Lys Glu Thr Lys Ser Asn Tyr Arg Val Arg Val Tyr  
 83 85 90 95

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/872,185B

DATE: 01/02/2002

TIME: 09:25:00

Input Set : A:\64080.txt

Output Set: N:\CRF3\01022002\I872185B.raw

```

86 Gln Ile Pro Gly Lys Pro Glu Ile Val Asp Ser Ala Ser Glu Leu Thr
87      100      105      110
90 Ala Gly Val Pro Asn Lys Val Gly Thr Cys Val Ser Glu Gly Ser Tyr
91      115      120      125
94 Pro Ala Gly Thr Leu Ser Trp His Leu Asp Gly Lys Pro Leu Val Pro
95      130      135      140
98 Asn Glu Lys Gly Val Ser Val Lys Glu Gln Thr Arg Arg His Pro Glu
99      145      150      155      160
102 Thr Gly Leu Phe Thr Leu Gln Ser Glu Leu Met Val Thr Pro Ala Arg
103      165      170      175
106 Gly Gly Asp Pro Arg Pro Thr Phe Ser Cys Ser Phe Ser Pro Gly Leu
107      180      185      190
110 Pro Arg His Arg Ala Leu Arg Thr Ala Pro Ile Gln Pro Arg Val Trp
111      195      200      205
114 Glu Pro Val Pro Leu Glu Glu Val Gln Leu Val Val Glu Pro Glu Gly
115      210      215      220
118 Gly Ala Val Ala Pro Gly Gly Thr Val Thr Leu Thr Cys Glu Val Pro
119      225      230      235      240
122 Ala Gln Pro Ser Pro Gln Ile His Trp Met Lys Asp Gly Val Pro Leu
123      245      250      255
126 Pro Leu Pro Pro Ser Pro Val Leu Ile Leu Pro Glu Ile Gly Pro Gln
127      260      265      270
130 Asp Glu Gly Thr Tyr Ser Cys Val Ala Thr His Ser Ser His Gly Pro
131      275      280      285
134 Gln Glu Ser Arg Ala Val Ser Ile Ser Ile Ile Glu Pro Gly Glu Glu
135      290      295      300
138 Gly Pro Thr Ala Gly Ser Val Gly Gly Ser Gly Leu Gly Thr Leu Ala
139      305      310      315      320
142 Leu Ala Leu Gly Ile Leu Gly Gly Leu Gly Thr Ala
143      325      330
146 <210> SEQ ID NO: 3
147 <211> LENGTH: 30
148 <212> TYPE: PRT
149 <213> ORGANISM: Human
151 <400> SEQUENCE: 3
153 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys
154      1      5      10      15
157 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys
158      20      25      30
161 <210> SEQ ID NO: 4
162 <211> LENGTH: 30
163 <212> TYPE: PRT
164 <213> ORGANISM: Murine
166 <400> SEQUENCE: 4
168 Gly Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Ser Cys
169      1      5      10      15
172 Lys Gly Ala Pro Lys Lys Pro Pro Gln Leu Glu Trp Lys
173      20      25      30
176 <210> SEQ ID NO: 5

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/872,185B

DATE: 01/02/2002  
 TIME: 09:25:00

Input Set : A:\64080.txt

Output Set: N:\CRF3\01022002\I872185B.raw

```

177 <211> LENGTH: 30
178 <212> TYPE: PRT
179 <213> ORGANISM: Rat
181 <400> SEQUENCE: 5
183 Gly Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Met Leu Ser Cys
184 1 5 10 15
187 Lys Ala Ala Pro Lys Lys Pro Thr Gln Lys Leu Glu Trp Lys
188 20 25 30
191 <210> SEQ ID NO: 6
192 <211> LENGTH: 30
193 <212> TYPE: PRT
194 <213> ORGANISM: bovine
196 <400> SEQUENCE: 6
198 Asp Gln Asn Ile Thr Ala Arg Ile Gly Lys Pro Leu Val Leu Asu Cys
199 1 5 10 15
202 Lys Gly Ala Pro Lys Lys Pro Pro Gln Gln Leu Glu Trp Lys
203 20 25 30
206 <210> SEQ ID NO: 7
207 <211> LENGTH: 30
208 <212> TYPE: PRT
209 <213> ORGANISM: Human
211 <400> SEQUENCE: 7
213 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu Pro Leu Val Leu Lys Cys
214 1 5 10 15
217 Lys Gly Ala Pro Lys Lys Pro Pro Gln Arg Leu Glu Trp Lys
218 20 25 30
221 <210> SEQ ID NO: 8
222 <211> LENGTH: 10
223 <212> TYPE: PRT
224 <213> ORGANISM: Human
226 <400> SEQUENCE: 8
228 Ala Gln Asn Ile Thr Ala Arg Ile Gly Glu
229 1 5 10
232 <210> SEQ ID NO: 9
233 <211> LENGTH: 50
234 <212> TYPE: PRT
235 <213> ORGANISM: Bovine
237 <220> FEATURE:
238 <221> NAME/KEY: MISC_FEATURE
239 <222> LOCATION: (47)..(47)
240 <233> OTHER INFORMATION: Where Xaa = unknown
244 <400> SEQUENCE: 9
245 Thr Lys Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Gly His Gln
246 1 5 10 15
249 Tyr Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Tyr Glu Leu
250 20 25 30
253 Lys Gln Leu Gly Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Xaa Lys
254 35 40 45
257 Asp Gln

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/872,185B

DATE: 01/02/2002  
TIME: 09:25:00

Input Set : A:\64080.txt  
Output Set : N:\CRF3\01022002\I872185B.raw

```

258      50
261 <210> SEQ ID NO: 10
262 <211> LENGTH: 18
263 <212> TYPE: PRT
264 <213> ORGANISM: Bovine
266 <400> SEQUENCE: 10
268 Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val
269      5              10              15
272 Leu Lys
276 <210> SEQ ID NO: 11
277 <211> LENGTH: 90
278 <212> TYPE: PRT
279 <213> ORGANISM: Bovine
281 <400> SEQUENCE: 11
283 Thr Lys Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Phe His Gln
284      5              10              15
287 Tyr Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu
288      20              25              30
291 Lys Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys
292      35              40              45
295 Asp Gln Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp Lys
296      50              55              60
299 Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val
300      65              70              75              80
304 Leu Lys Thr Ala His Ile Asp Ile His Lys
304      85              90
307 <210> SEQ ID NO: 12
308 <211> LENGTH: 90
309 <212> TYPE: PRT
310 <213> ORGANISM: Bovine
312 <400> SEQUENCE: 12
314 Thr Lys Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Phe His Gln
315      5              10              15
318 Tyr Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu
319      20              25              30
322 Lys Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys
323      35              40              45
326 Asp Gln Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp Lys
327      50              55              60
330 Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val
331      65              70              75              80
334 Leu Lys Thr Ala His Ile Asp Ile His Lys
335      85              90
338 <210> SEQ ID NO: 13
339 <211> LENGTH: 21
340 <212> TYPE: DNA
341 <213> ORGANISM: Human
343 <400> SEQUENCE: 13
344 gtaagcgggg ctctgttgc a

```

21

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/872,185B

DATE: 01/02/2002

TIME: 09:25:01

Input Set : A:\64080.txt

Output Set : N:\CRF3\01022002\I872185B.raw

```

347 >210> SEQ ID NO: 14
348 >211> LENGTH: 21
349 >212> TYPE: DNA
350 >213> ORGANISM: Artificial Sequence
352 >220> FEATURE:
353 >223> OTHER INFORMATION: Description of Artificial Sequence: Antisense Primer
355 >400> SEQUENCE: 14
356 gcccaggct ggggttgaag g 21
357 >210> SEQ ID NO: 15
358 >211> LENGTH: 9
359 >212> TYPE: PR1
360 >213> ORGANISM: Human
361 >220> FEATURE:
362 >221> NAME/KEY: MISC_FEATURE
363 >222> LOCATION: (1)..(9)
364 >223> OTHER INFORMATION: Peptide Conserved Across Mammals
370 >400> SEQUENCE: 15
372 Ala Ser Gln Arg Lys Pro Ser Gln Arg
373 1 5
374 >210> SEQ ID NO: 16
375 >211> LENGTH: 395
376 >212> TYPE: DNA
377 >213> ORGANISM: Bovine
381 >400> SEQUENCE: 16
382 atgactaagc tggaggacca cctggaggga atcatcaaca tcttccacca gtactcgggt 60
383 cgtgagctga agcagctgat cacaaaggga 120
384 cgtgtgggac atttcgacac cctcaacaag cgtgagctga agcagctgat cacaaaggga 120
385 acacccaaga ccaacctacc attgacaaaa tattccaaga 180
386 accttccaaa accctccaga acacccaaga ccaacctacc attgacaaaa tattccaaga 180
387 gagcgcgcag ctttgaggaa ttctgtatcc tgggtgtccag 240
388 ccttgatgcc gataaagacg gagcgcgcag ctttgaggaa ttctgtatcc tgggtgtccag 240
389 ggtgtgaaa acagcccaca tagatatcca caaagagtag gtttccagca atgttcccaa 300
390 caaagagtag gtttccagca atgttcccaa 360
391 ccttctcttc cctgaggctg ctccccgagg gagagagaaat tataaacysa 395
392 ccttctcttc cctgaggctg ctccccgagg gagagagaaat tataaacysa 395
393 ccttctcttc cctgaggctg ctccccgagg gagagagaaat tataaacysa 395
394 ccttctcttc cctgaggctg ctccccgagg gagagagaaat tataaacysa 395

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/872,185B

DATE: 01/02/2002

TIME: 09:25:02

Input Set : A:\64080.txt

Output Set: N:\CRF3\01022002\I872185B.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9